



Figure C-1. River Hydrology at Buckman

- Steep, cobble bedded river channel (armored) -- intake site located in 'chute' that is well suited for diversion
- New evidence of old island, now vegetated and filled in behind intake site -- intake site is stable
- Excellent long-term flow record at Otowi -- no chance of dry river bed; flood peaks have been cut dramatically by Abiquiu Reservoir

Figure C-2.

Rio Grande River at Buckman



Figure C-3. Rio Grande
at Buckman, 1947



Figure C- 4. Buckman Riverfront
12-21-2001

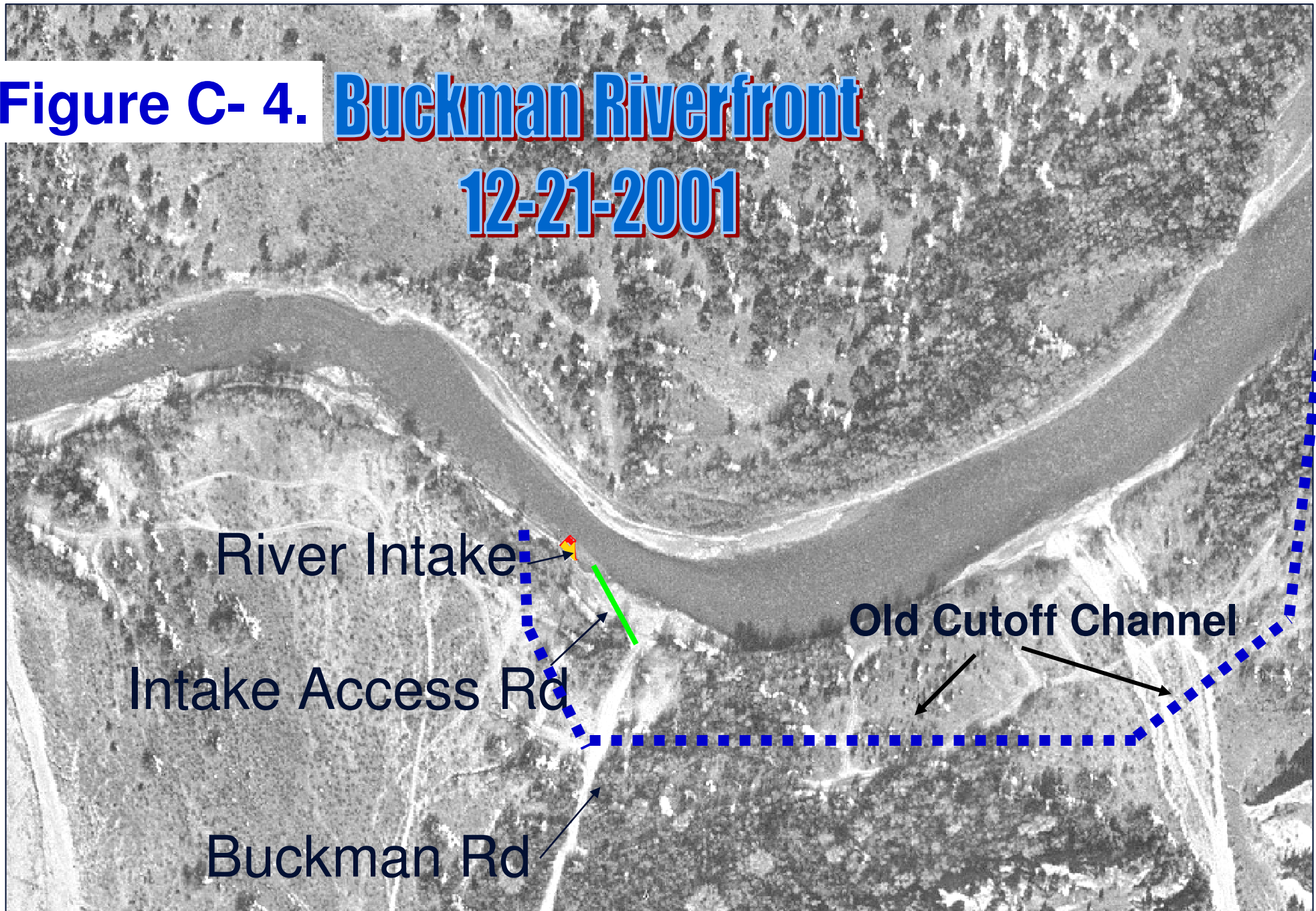


Figure C-5 Buckman-Area River Map

- A- Proposed Intake Site**
- B- Buckman Road**
- C, I - Eastside Arroyos**
- D- Canada Ancha Arroyo**
- E- Old Buckman Bridge**
- F - North River Canyon**
- G- South River Canyon**
- H, J - Historic River 'Islands' and Cutoffs**

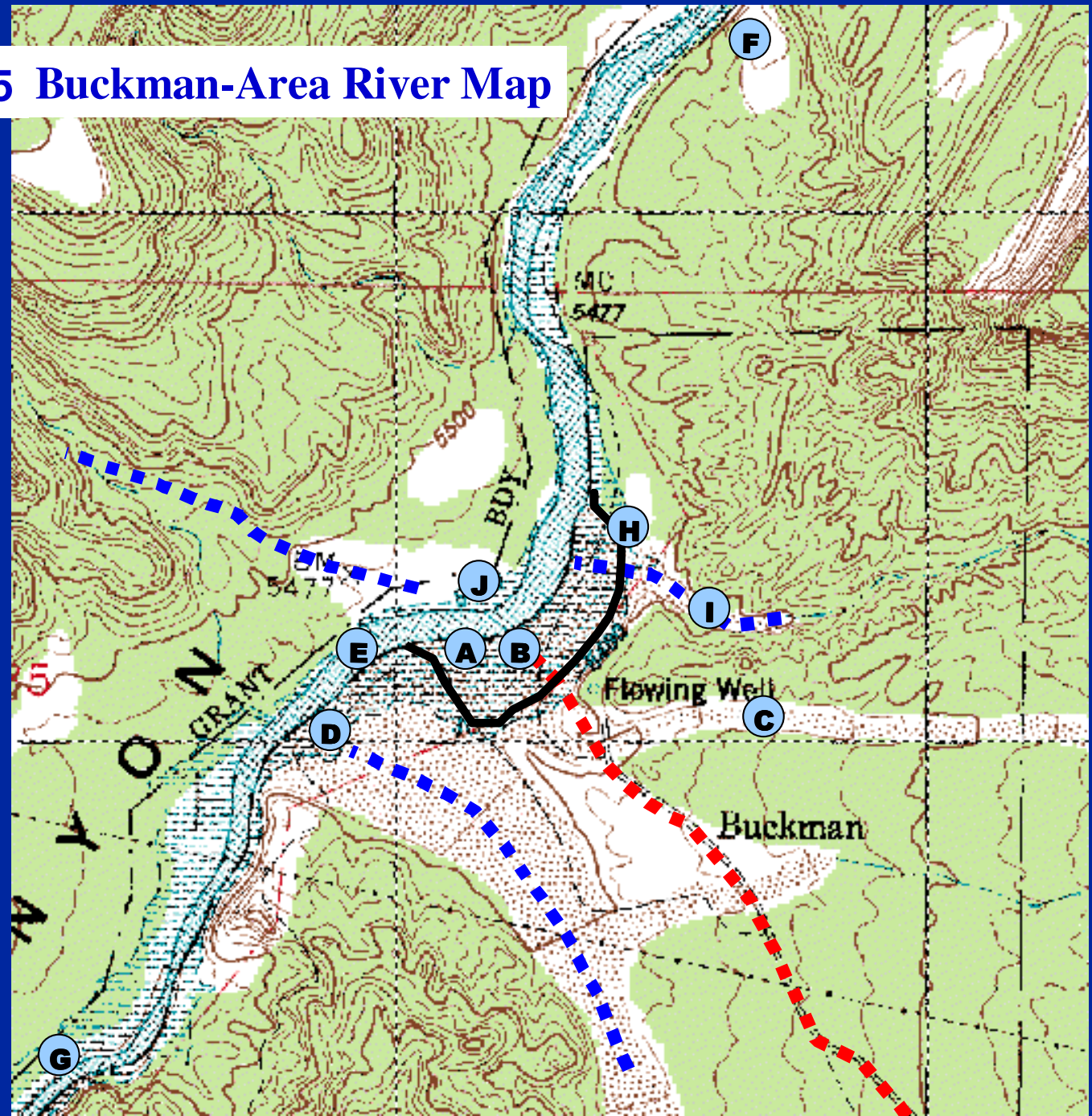


Figure C- 6.

11-19-76
436 cfs

Intake Site

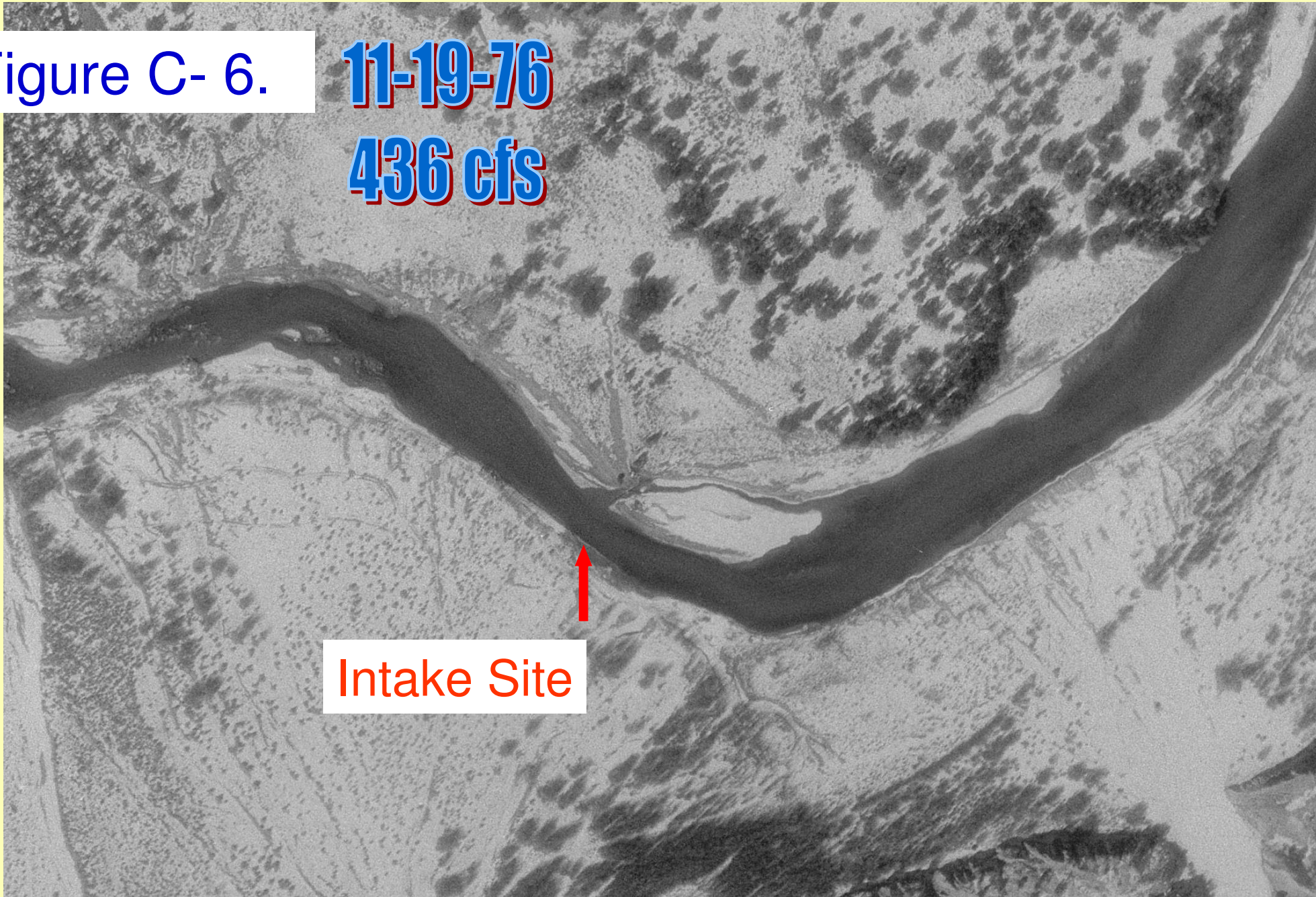


Figure C-7.

8-7-79
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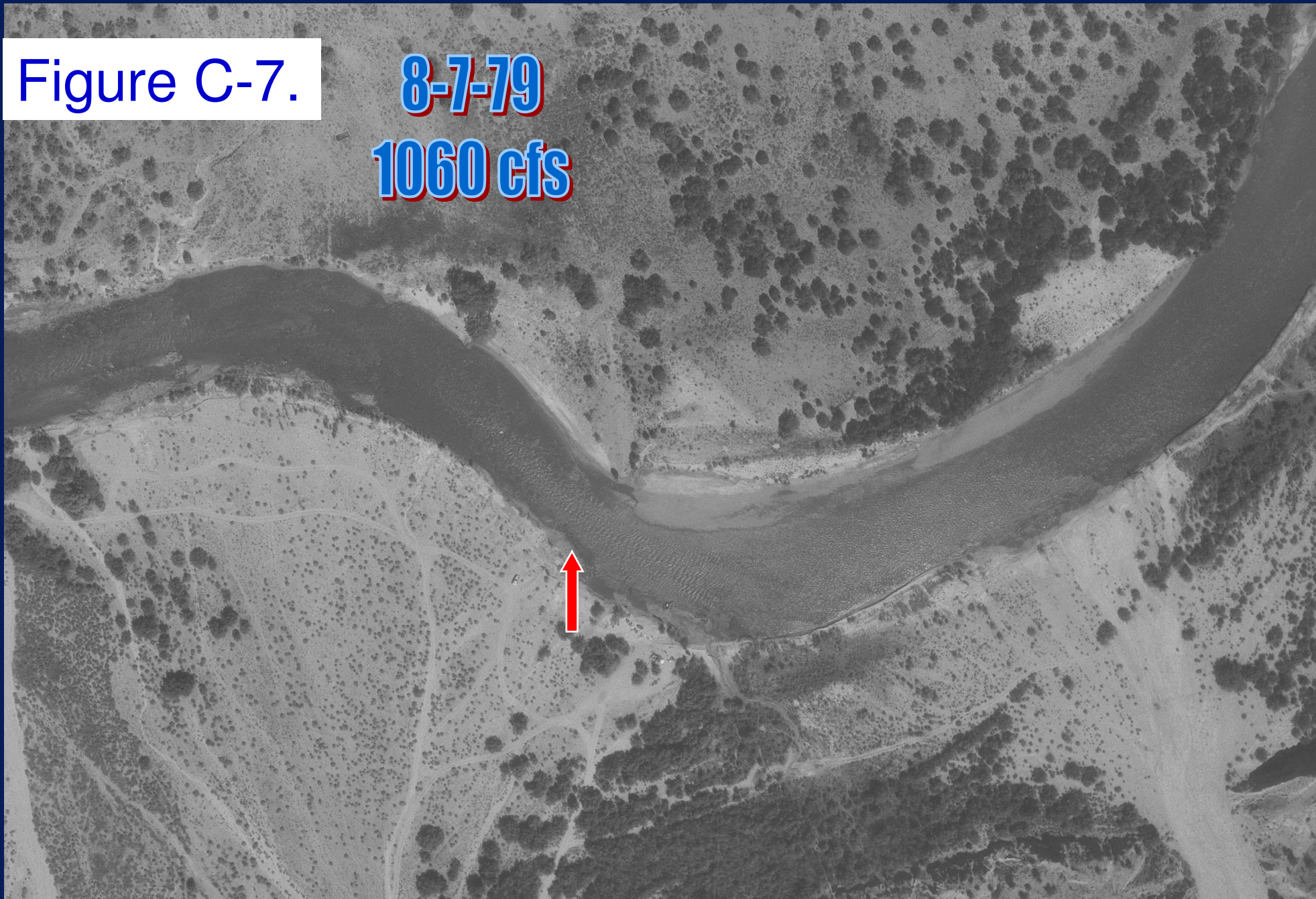


Figure C-8.

8-27-83
893 cfs

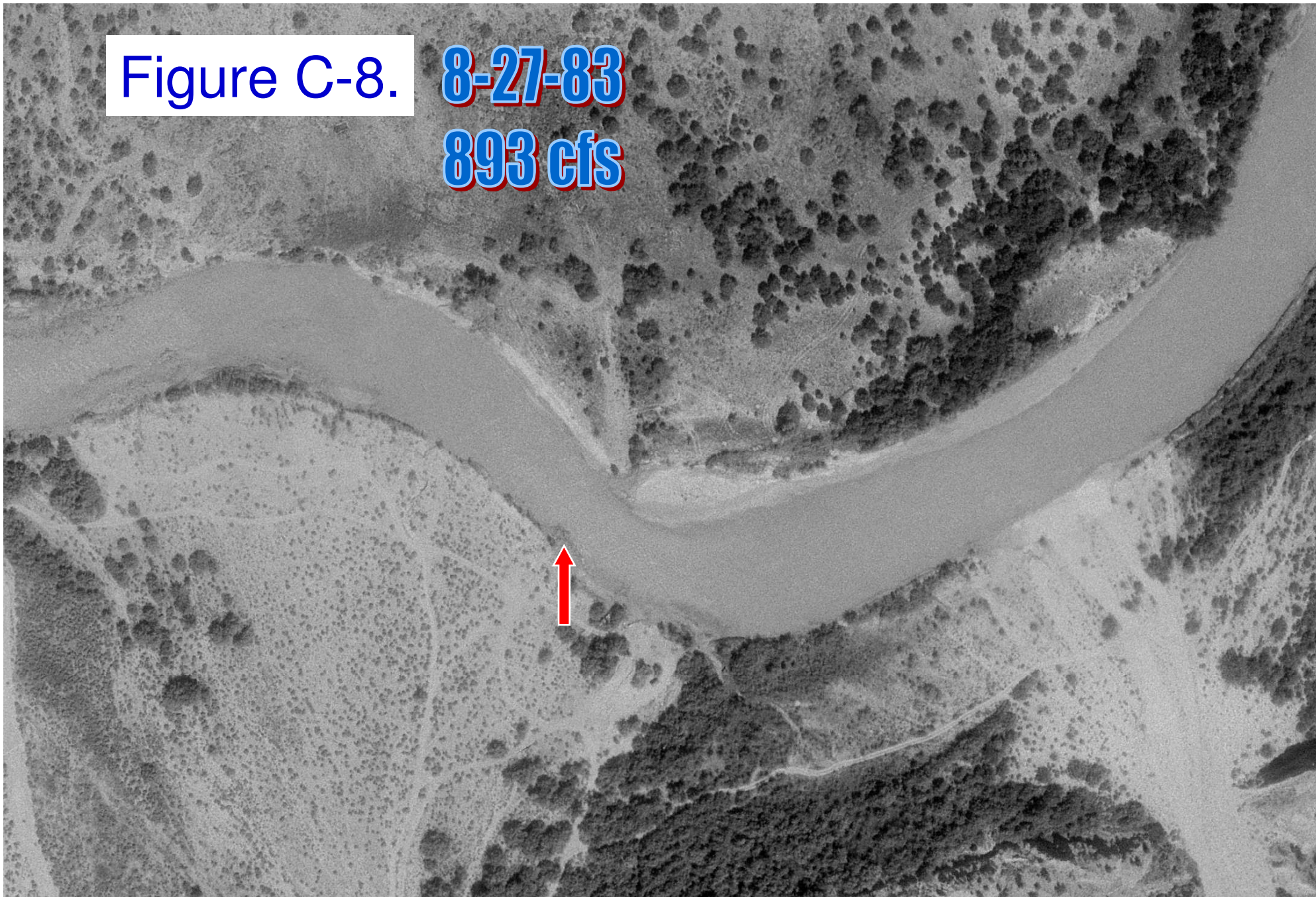


Figure C-9

9-2-89
945 cfs



Figure C-10.

12-21-00
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Figure C-11.

**Simulated Intake
at Buckman (1-24-01)**

Figure C-12. Average Monthly Flow at Otowi 1900-1970 and 1971-1998

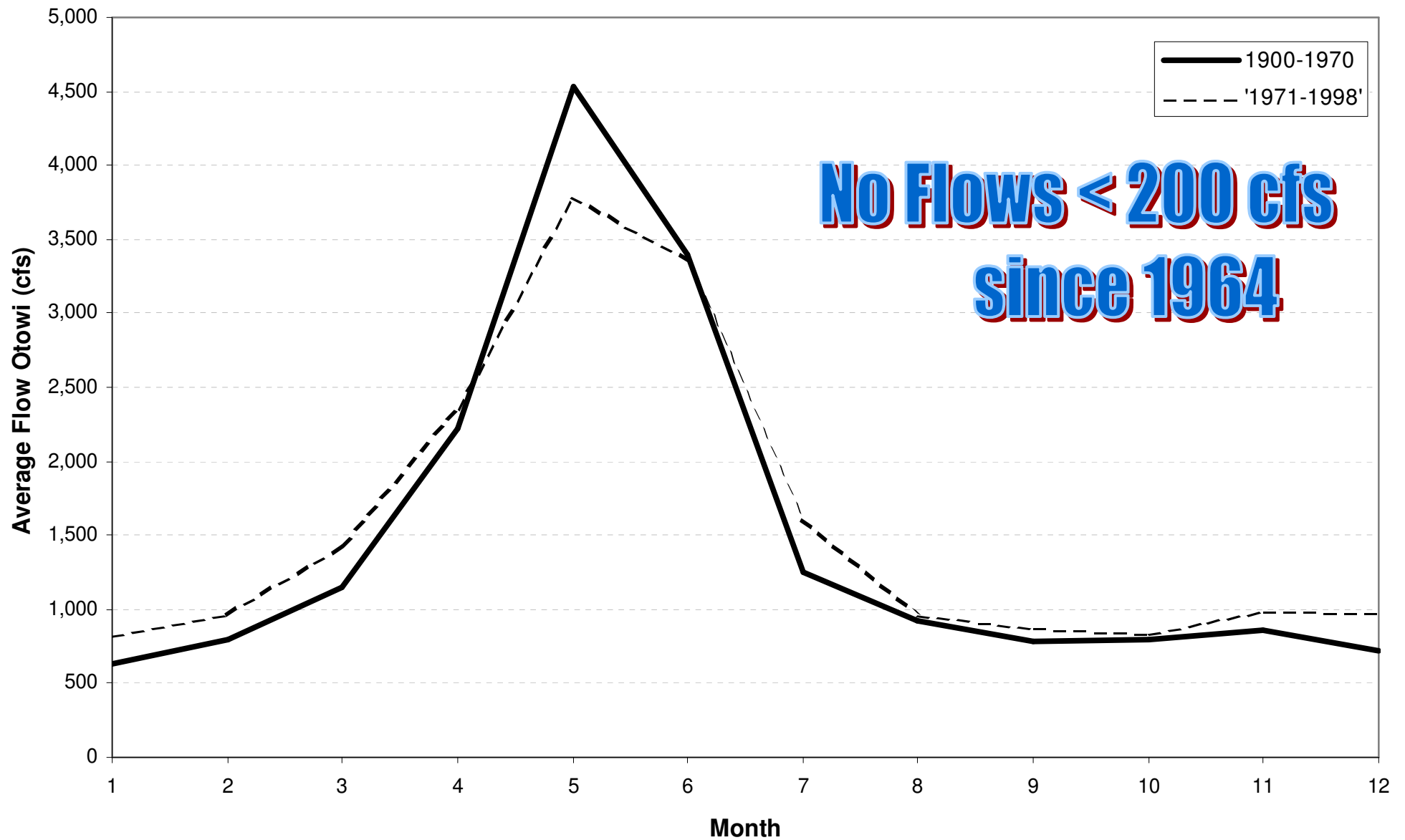


Figure C-13. Maximum Daily Flows by Year on Rio Grande at Otowi Gage, 1900-1999

